



PROCINORTE Animal Health Task Force
“SARS-CoV-2 Incidence Response Research
in North America”

December 1-3, 2020

Virtual Symposium

Agenda

****LINK to Recorded Presentations:** <https://www.procinorte.net/symposium-sars-cov-2-videos/>

December 1, 2020

10:00 - 10:30 **Introduction to the PROCINORTE Animal Health Task Force**

Elizabeth Loza-Rubio, INIFAP, Mexico

Jose Lopez, CFIA, Canada

Cyril Gay, USDA-ARS, USA

Predicting the emergence of coronaviruses

10:30 - 11:00 **Predicting the emergence of coronaviruses**

Cyril Gay, Office of National Programs, Agricultural Research Service, USA

11:00 - 11:30 **Whole Genome Sequencing and Bioinformatics Analysis of SARS-CoV-2 at the CFIA National Centre for Foreign Animal Disease**

Oliver Lung, CFIA, Canada

11:30 – 12:00 **A multidisciplinary approach for studying viral pathogens using genomic epidemiology**

Marina Escalera Zamudio. Department of Zoology, University of Oxford. UK

12:00 – 12:30 **Integrate structural analysis, isoform diversity, and interferon-inductive propensity of ACE2 to predict SARS-CoV-2 susceptibility in vertebrates**

Laura Miller, National Animal Disease Center, Agricultural Research Service, USA

Risk Assessment

12:30 – 13:00 **Rapid Qualitative Risk Assessments on SARS-CoV-2 in livestock**

Sharon Calvin & Andrea Osborn, CFIA, Canada

December 2, 2020

Animal infection studies

10:00 - 10:30 **Poultry SARS-CoV-2 infection studies**

David Suarez, National Poultry Research Center, Agricultural Research Service, USA

10:30 – 11:00 **Swine SARS-CoV-2 infection studies**
Alexa Buckley, National Animal Disease Center, Agricultural Research Service, USA

11:00 – 11:30 **Susceptibility of Domestic Swine and Poultry to Experimental Infection with SARS-CoV-2**
Brad Pickering, CFIA, Canada

11:30 – 12:00 **Cattle SARS-CoV-2 infection studies**
Shollie Falkenberg, National Animal Disease Center, Agricultural Research Service, USA

12:00 – 12:30 **White Tail Deer**
Mitch Palmer, National Animal Disease Center, Agricultural Research Service, USA

December 3, 2020

Veterinary medical countermeasures

10:00 – 10:30 **Animal models to evaluate preclinical trials of a recombinant vaccine against COVID-19**
Juan Joel Mosqueda Gualito. Natural Sciences College. Autonomous University of Queretaro, Mexico.

10:30 – 11:00 **Highly Sensitive and Specific Mobile Test for Severe Acute Respiratory Syndrome Coronavirus-2**
Aruna Ambagala, CFIA, Canada

11:00 – 11:30 **Development of recombinant antigens derived from Coronavirus and their use to adapt a diagnostic system for SARS-Cov-2**
Julieta Sandra Cuevas Romero y Dr. José Luis Cerriteño Sánchez. CENID-SAI, INIFAP, Mexico

11:30 – 12:00 **Development of a graphene oxide-based biosensing platform for SARS-CoV-2 detection in nasopharyngeal swabs**
Anabelle Manzo Sandoval. CENID-SAI, INIFAP, Mexico

12:00 – 12:30 **Indirect ELISA test based on synthetic peptides for the serological diagnosis of COVID-19**
Elizabeth Salinas Estrella CENID-SAI, INIFAP, Mexico

12:30 – 13:00 **SARS CoV-2, new challenge for veterinary diagnostic.** MVZ Mario Solís. CPA-SENASICA-SADER, Mexico